





SPEED SIGNAL CONTROL MODULE
P2000-SSC
Owners Manual







Congratulations, You have made a wise investment and an excellent choice in selecting a Precision Park System by Ackton.

Your Precision Park system utilizes the latest technology and quality components to provide you and your family with years of reliable service.

Ackton's products have over 20 years of reverse sensing experience and are manufactured to demanding ISO 9001 and QS 9000 standards. Quality, that has earned the strict European TUV certification.



A great amount of care went into building your Precision Park system. Please take the time to read the manual carefully before installing, as we want you to be as proud of your installation, as we are of the product.

Thank You, for your purchase and safe motoring, from all of us at Ackton Inc.

FUNCTION SPECIFICATION

The P2000-SSC system responds to the speed of the vehicle. If the speed drops below the preset value, the system will be activated. If the speed exceeds the preset value, the system will be deactivated.

Depending on the configuration, the system will also deactivate if the vehicle is stationary or 10 seconds after the vehicle has stopped.

The system can also be deactivated by applying the brake or 10 seconds after having applied the brake.

SAFETY PRECAUTION

Warning!

Safety precaution: Failure to observe the instructions could damage the device and impair its function as well as cause injury due to electrical current.

Warning!

Due to the risk of short circuit, always disconnect the negative pole of the battery before starting work. Disconnecting the negative pole of the battery may result in loss of system memory and may need to be reset.

WIRING CONNECTION

Ignition switched plus

Wire color: Brown wire
Position: White 6-pole connector pin 3
Connection: Connect to an ignition switched plus (+) 12 Volt (+15 wire).
Specification: This connection makes the system function only when the vehicle is switched to ignition.
Remark: In this wire you can insert an additional switch to manually deactivate the speed switch.

Negative battery supply

Wire color: White wire
Position: White 7-pole connector pin 4
Connection: Connect to the negative pole (-) of the battery.

Speed signal

Wire colour: Blue wire
Position: White 7-pole connector pin 5
Connection: Connect to the speed signal of the vehicle.
Specification: This input detects the speed of the vehicle.
Remark: The voltage of the speed signal may vary from 3,5 ~ 15 Volt (P.P.). The range of the frequency is 0 ~ 100kHz. If the signal exceeds these values, you will have to apply a pulse divider or a pulse amplifier.

Brake light

Wire color: Green wire
Position: White 7-pole connector pin 6
Connection: Connect to the positive switching wire of the brake light switch.
Specification: This input detects when the brake is applied.
Remark: This wire is only connected with mode 4 and 5.

Reversing light

Wire color: Yellow wire

Position: White 7-pole connector pin 7

Connection: Connect to the positive switching wire of the reversing lights.

Specification: This input detects when the reversing lights are activated.

Remark: When the reversing lights are activated, the unit switches off.

Positive output

Wire color: Red wire

Position: White 7-pole connector pin 2

Connection: Connect to the wire of the parking system which normally leads to the reversing lights.

Specification: This output gives +12V when the speed switch is activated.

Remark: Do not connect the power supply wire of the parking system to the reversing lights.

Ground output

Wire color: Black wire

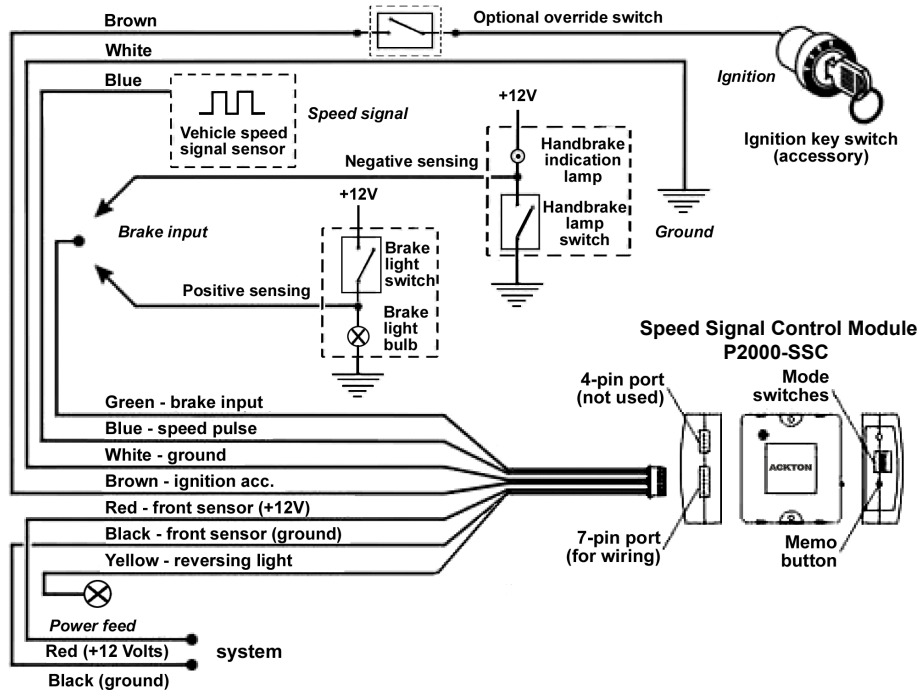
Position: White 7-pole connector pin 1

Connection: Connect to the wire of the parking system which normally leads to ground.

Specification: This output gives ground.

Remark: Do not connect the ground wire of the parking system to the car body.

Wiring Diagram



PRESETTING THE THRESHOLD SPEED VALUE

The threshold speed value at which the P2000-SSC system will activate must be preset by pressing the 'memo' button whilst the vehicle is running at the required speed (eg. 6 mph/10km).

Whenever the speed drops below the preset value, the front parking sensors will be activated.

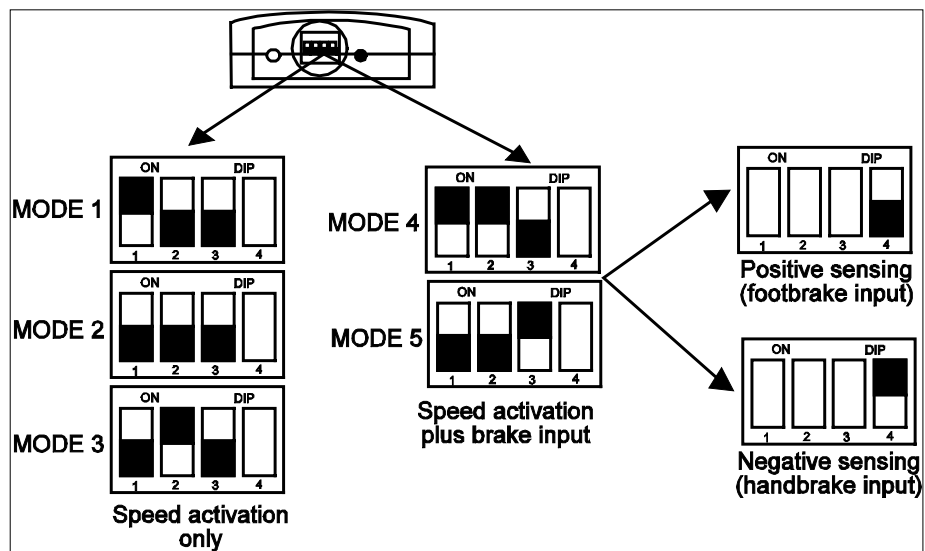
MODE SELECTION

There are 5 different modes to choose from.

In each of the 5 modes, whenever the speed drops below the preset value, the front parking sensor system will be activated

Dipswitch adjustments

To select mode, adjust the dipswitches as follows:



Mode 1 - Speed activation

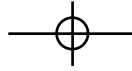
The front parking sensor system will remain activated until the speed exceeds the preset value.

Mode 2 - Speed activation with stop deactivation

The front parking sensor system will be deactivated as soon as the vehicle is stationary.

Mode 3 - Speed activation with delayed stop deactivation

The front parking sensor system will be deactivated once the vehicle remains stationary for 10 seconds or longer.



Mode 4 - Speed activation with brake deactivation

The front parking sensor system will be deactivated as soon as the foot brake or the hand brake is applied.

Mode 5 - Speed activation with delayed brake deactivation

The front parking sensor system will be deactivated 10 seconds after having applied the foot brake or the hand brake.



TECHNICAL DATA

Working voltage range: 8 - 15 Volt DC
Temperature range: -40 F to +176 F
Power consumption: 0.4 W
Speed frequency range: 0 - 100 KHz
Signal voltage: 3.5 - 15 V
System mounting position: passenger compartment

IMPORTANT NOTICE

- 1). Precision Park is strictly meant as a drivers aid when parking or backing up your vehicle. Therefore you must exercise caution and common sense when driving your vehicle.
- 2). Keep all the cables and sensors away from the vicinity of high temperature objects such as engine or exhaust which could cause system failure.
- 3). Precision Park components are complex, opening by user may damage its completeness. The manufacturer or its distributors shall NOT take any responsibility for equipment that has been tampered with by the user.